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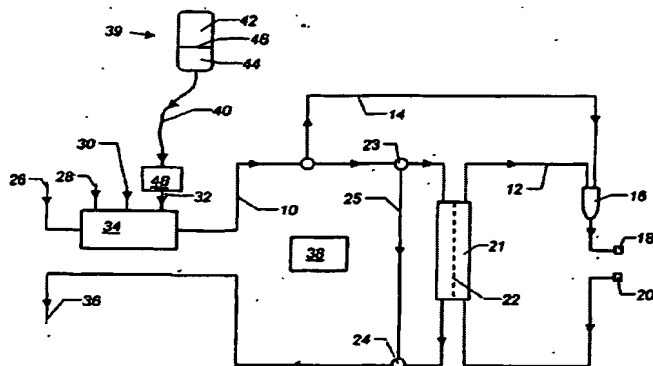
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(54) Title: AN APPARATUS, A SYSTEM AND A METHOD RELATING TO HEMODIALYSIS, HEMODIAFILTRATION, HEMOFILTRATION OR PERITONEAL DIALYSIS

(57) Abstract: The invention relates to an apparatus for hemodialysis, hemodiafiltration, hemofiltration or peritoneal dialysis. The apparatus comprises at least one conduit (10, 14) in which a dialysis and/or infusion fluid is intended to flow. The apparatus has a measurement unit (48) for measuring at least one optically active substance in the fluid. The measurement unit (48) is arranged to measure the concentration of the substance in said fluid by measuring the influence said substance in the fluid has on a polarised beam of light which is transmitted through said fluid. The invention also concerns a system including such an apparatus as well as a method of carrying out a measurement of the concentration of an optically active substance in a dialysis and/or infusion fluid.